

PCT

WORLD INTELLECTUAL PROPERTY ORGANIZATION  
International Bureau



INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

<p>(51) International Patent Classification <sup>7</sup> : G01N 33/487, 33/50, 33/539, 33/573</p>	<p>A1</p>	<p>(11) International Publication Number: <b>WO 00/31531</b> (43) International Publication Date: 2 June 2000 (02.06.00)</p>
<p>(21) International Application Number: PCT/BR99/00096 (22) International Filing Date: 23 November 1999 (23.11.99) (30) Priority Data: PI 9804648-9 23 November 1998 (23.11.98) BR (71) Applicant (for all designated States except US): FUNDAÇÃO OSWALDO CRUZ - FIOCRUZ [BR/BR]; Avenida Brasil, 4365, Manguinhos, CEP-21045-900 Rio de Janeiro, RJ (BR). (72) Inventors; and (75) Inventors/Applicants (for US only): FILHO, Milton, Ferreira [-/BR]; Avenida Brasil, 4365, Manguinhos, CEP-21045-900 Rio de Janeiro, RJ (BR). LUZIA, Vera, Lúcia [-/BR]; Avenida Brasil, 4365, Manguinhos, CEP-21045-900 Rio de Janeiro, RJ (BR). BARROSO, Eduardo, Werneck [-/BR]; Avenida Brasil, 4365, Manguinhos, CEP-21045-900 Rio de Janeiro, RJ (BR). GEMAL, André, Luis [-/BR]; Avenida Brasil, 4365, Manguinhos, CEP-21045-900 Rio de Janeiro, RJ (BR). (74) Agent: BHERING, João, R., V.; Bhering, Almeida &amp; Associados, Rua Beneditinos, 16, 11 andar, CEP-20081-050 Rio de Janeiro, RJ (BR).</p>		<p>(81) Designated States: CA, US.  <b>Published</b> <i>With international search report. Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i></p> <p>→ LUÍZA</p>

(54) Title: MONITORING PATIENT COMPLIANCE AND BIOAVAILABILITY OF DRUGS BY DEPROTEINIZING BODY FLUIDS

(57) Abstract

The present invention is a method for drug level detection by using a simplified and effective deproteinizing step from body fluids, such as plasma, blood, urine, saliva, tear fluid, followed by drug extraction and measurement using an accurate technique, such as a colorimetric assay or a High-Performance Liquid Chromatography method. In a particular embodiment, the invention is directed to a method to quantify rifampicin in order to monitor its levels in body fluids and also to a Kit for rifampicin concentration measurement.